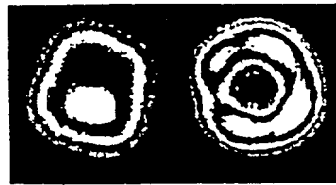


Fig. 1



Hermite-Gaussian
mode VCSEL:

Fig. 2a

Laguerre-Gaussian
mode VCSEL:

Fig. 2b

Fig. 3a

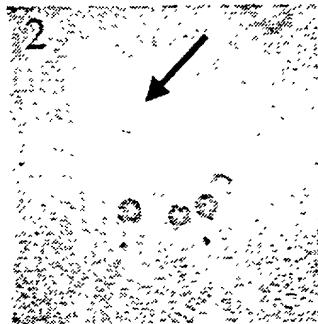
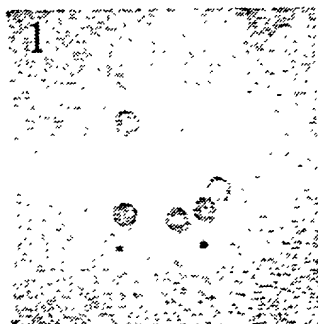


Fig. 3b

Fig. 3c

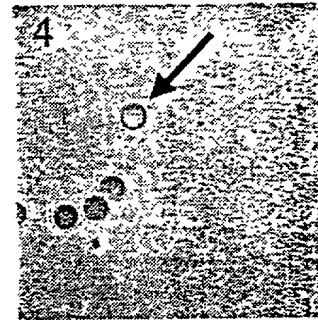
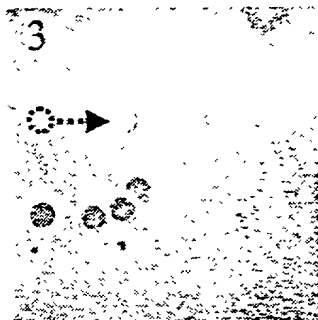


Fig. 3d

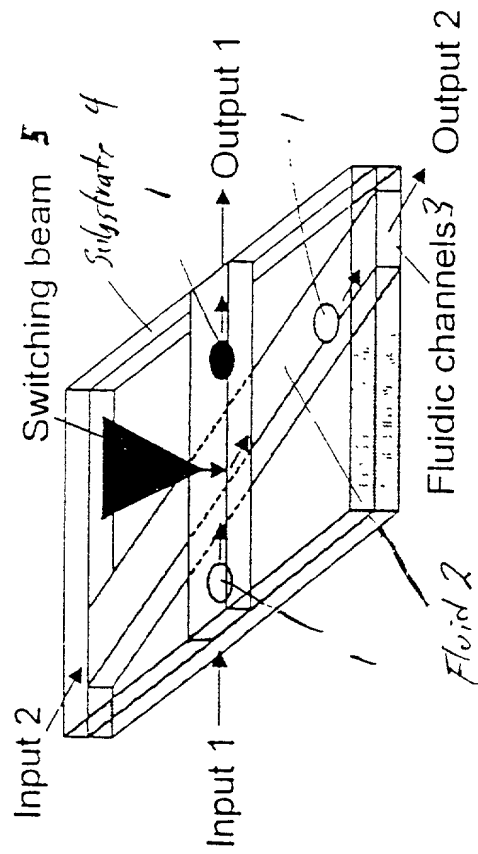


Fig. 4a

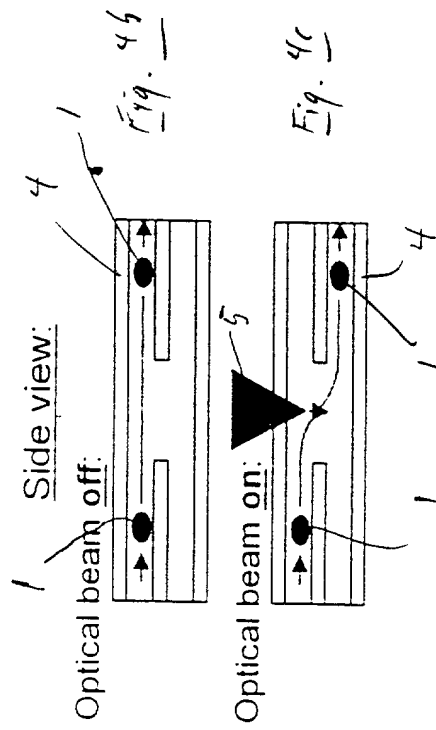


Fig. 4b

Fig. 4c

Fig. 5a

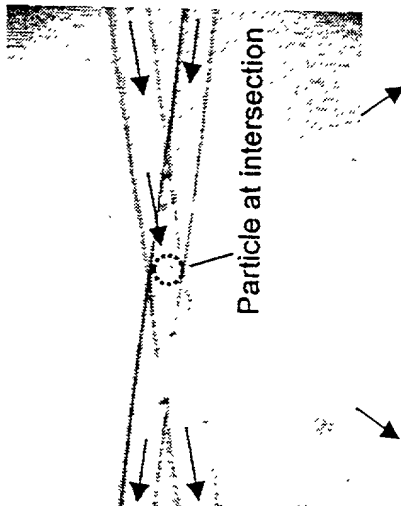


Fig. 5b

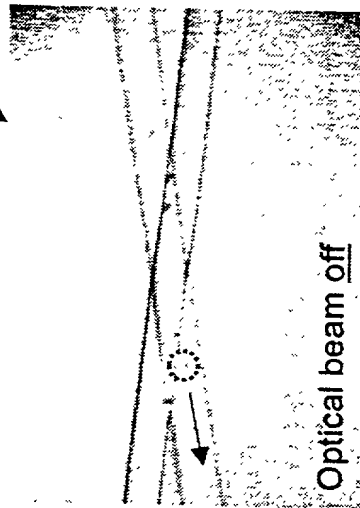


Fig. 5c



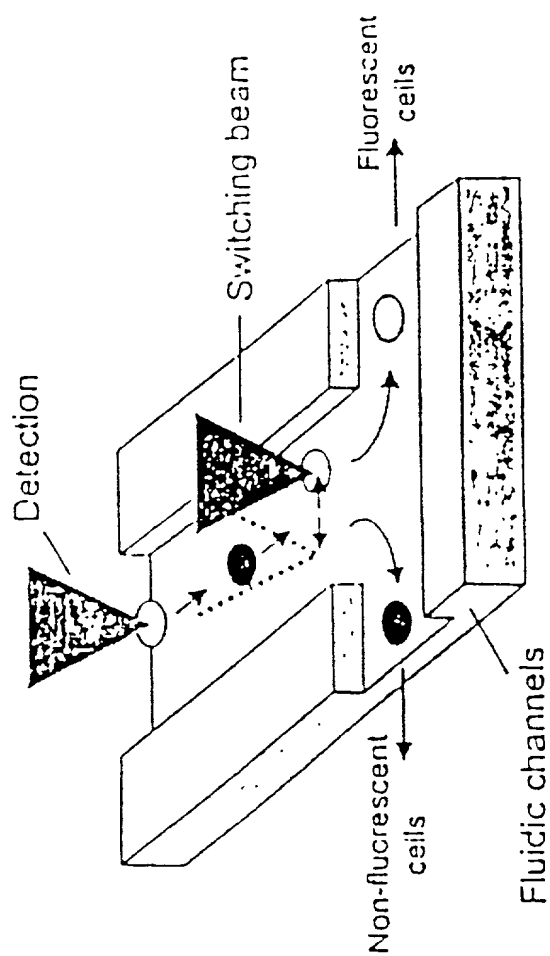


Fig 6

0999012.050602

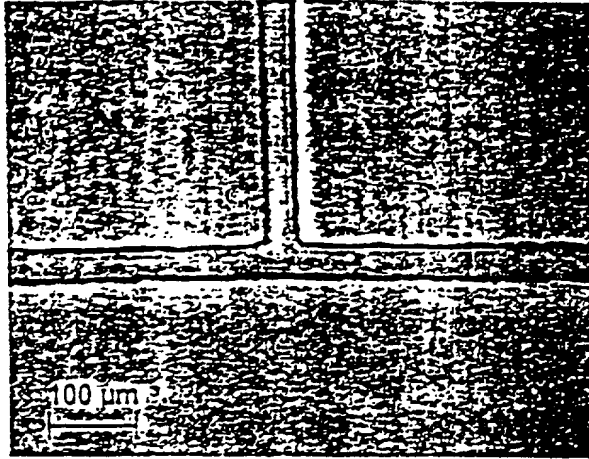


Fig. 79

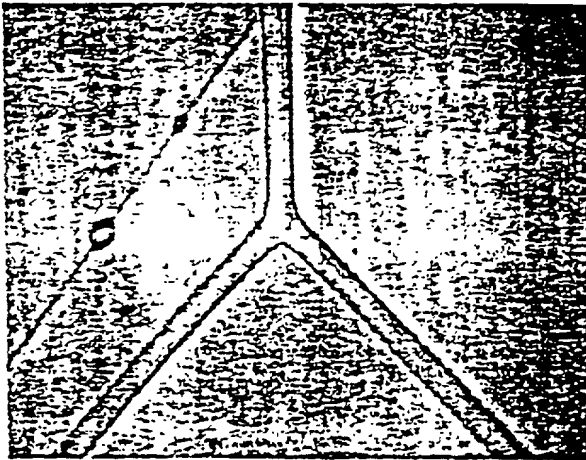


Fig. 75

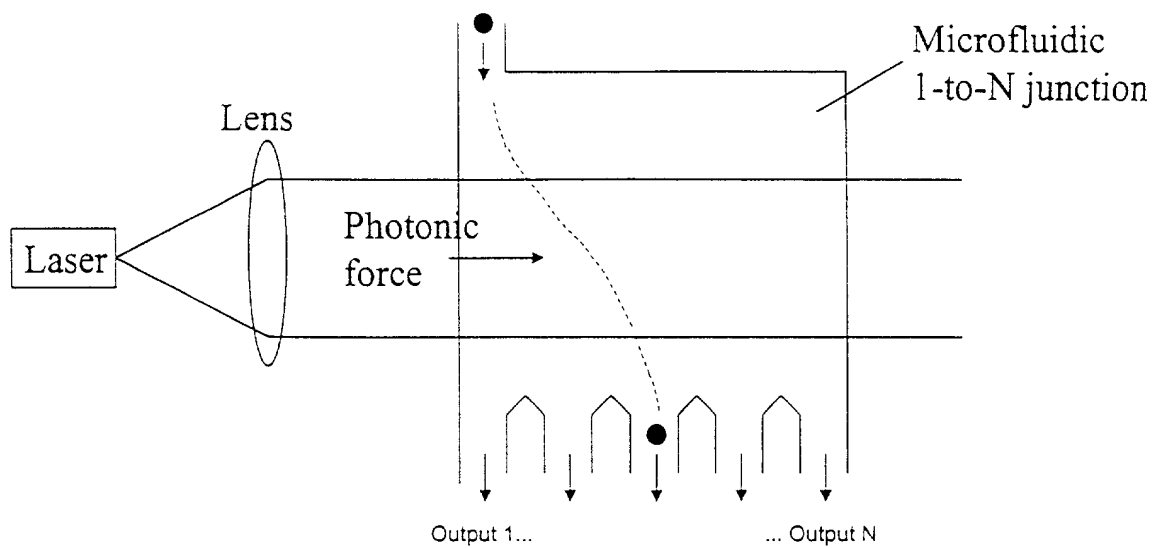


Figure 7.14 1-to-N optically-switched microfluidic junction

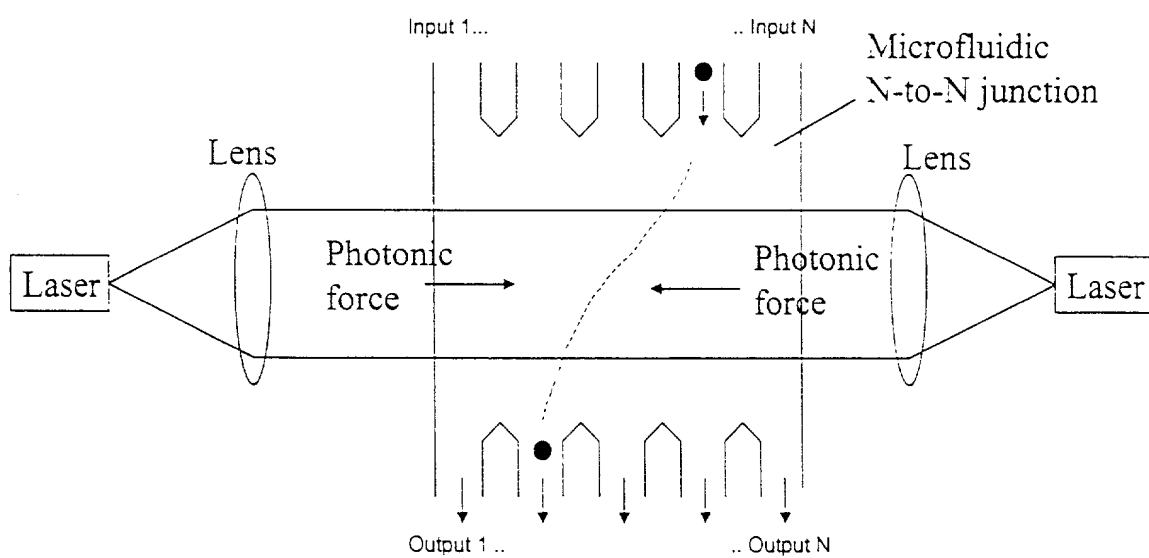


Figure 7.15 N-to-N optically-switched microfluidic junction

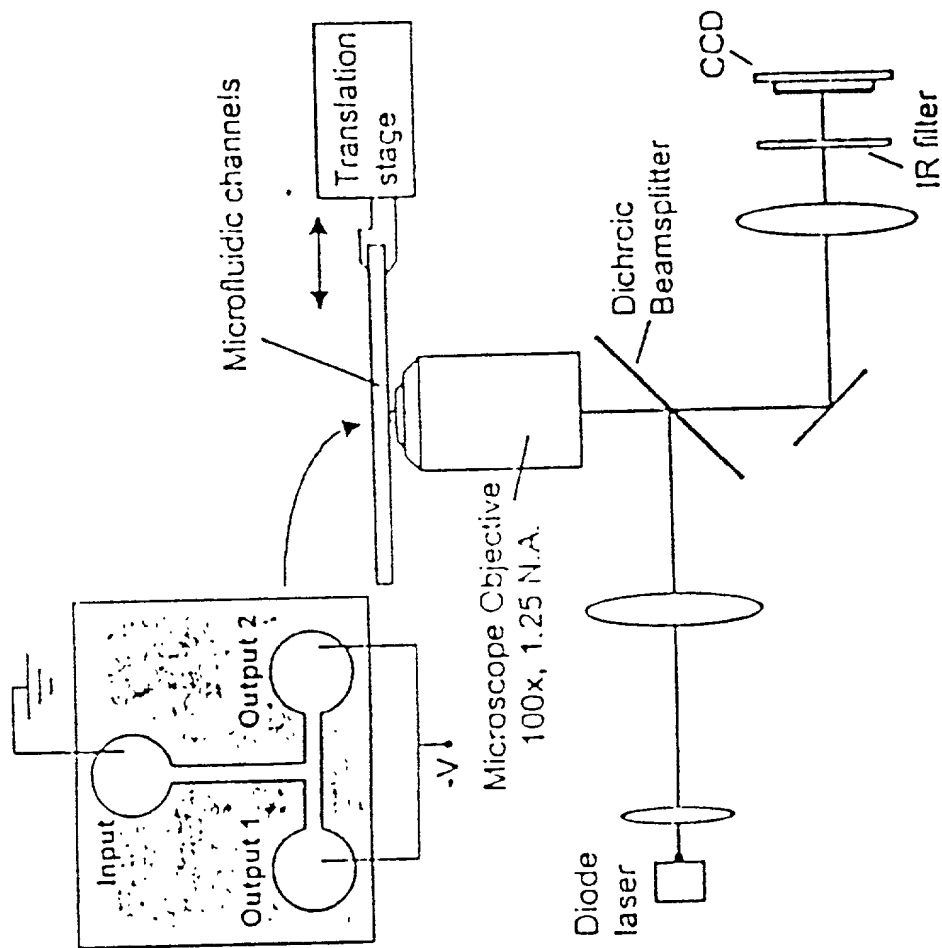


Fig. 8

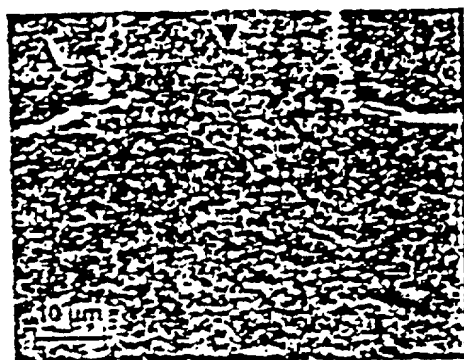


Fig. 9a

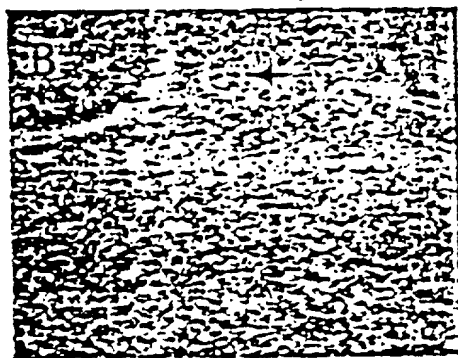


Fig. 9b

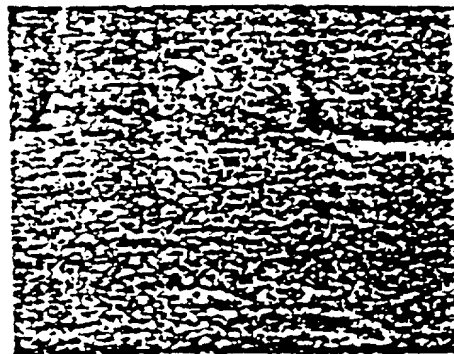


Fig. 9d

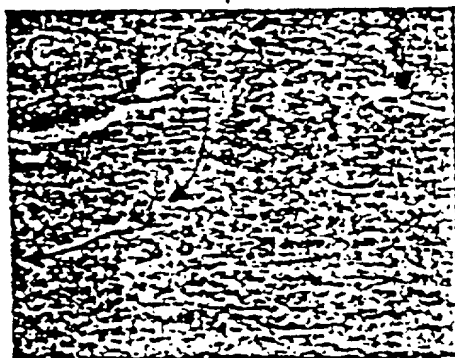


Fig. 9c



Fig. 9e